CS 121 – Homework #3 – "Phone number" – due Monday, February 18, 2019

The purpose of this assignment is to practice with strings in Python. Write a program that asks the user to enter a 7-letter word. The program will then translate this word into a telephone number. Each letter of the user's word will be assigned a digit of the phone number according to the following table:

These letters	Map to this digit
A, B, C	2
D, E, F	3
G, H, I	4
J, K, L	5
M, N, O	6
P, R, S	7
T, U, V	8
W, X, Y	9
Q, Z	0

Note that the digit 1 will not appear in your output.

You may assume that the user's input will be valid. In other words, the user will enter exactly 7 letters. However, the user may enter capital letters, or lowercase letters, or a mixture of the two. It would be easier if your program worked only with capital letters or only with lowercase letters. Therefore, I recommend that as soon as your program obtains the user's word, use the string function upper() or lower(), whichever you prefer.

The output from your program will be a telephone number of the form ###–####. The hyphen between the third and fourth digits is required. Do not print any spaces next to the hyphen. Please print a blank line before printing the phone number. Your program should not have any other output besides the phone number. Your I/O should look like the example below.

Here is an example run of the program:

```
Enter a 7-letter word:  Version

837-7466
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